



Australian CRC for Renewable Energy



A Co-operative Research Centre

ACRE has 21 member organizations

- Including
 - Education and Research organizations
 - Utilities
 - Industries



ACRELab

- Australia's Renewable Energy Systems Test Laboratory
- Areas of work
 - Standards development – Australian and International
 - System testing – grid connected and standalone
 - RE System Consulting services
 - Training services



ACRELab Test Facility

- 2 test systems
 - Large system test facility
 - Capacity 50 kVA 3 phase
 - Battery bank configurable from 96V to 240V
 - Small system test facility
 - Capacity 5 kVA single phase
 - Battery bank configurable from 12V to 48V



Current Activities

- Grid connect inverter testing to new draft Australian Standard AS4777
- Hybrid system testing
- Development of test procedures for Stand alone inverter testing
- 20kW Wind Turbine performance testing
- Environmental chamber classification



Current Activities

- New project “Bushlight” involves the testing and approval of systems before delivery to remote Aboriginal Communities
- New facilities to be added 2002
 - 25kW Solar Simulator
 - 4kW real Array
- National Association Testing Association(NATA) Quality systems accreditation for commercial system testing work